

**EFFECT OF FREEZE AND THAW CYCLE AND INCUBATION PERIOD ON
THE SOLUBILISATION OF INCLUSION BODY PROTEIN**

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**BACHELOR OF CHEMICAL ENGINEERING
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THE SOLUBILISATION OF INCLUSION BODY PROTEIN**

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for the award of the degree of
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SUPERVISOR'S DECLARATION

We hereby declare that we have checked this thesis and in our opinion, this thesis is adequate in terms of scope and quality for the award of the degree of Bachelor of Chemical Engineering.

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STUDENT'S DECLARATION

I hereby declare that the work in this thesis is my own except for quotations and summaries which have been duly acknowledged. The thesis has not been accepted for any degree and is not concurrently submitted for award of other degree

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Dedicated to my family and my friends.

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TABLE OF CONTENTS

	Page
SUPERVISOR’S DECLARATION	ii
STUDENT’S DECLARATION	iii
ACKNOWLEDGEMENT	v
ABSTRACT	vi
ABSTRAK	vii
TABLE OF CONTENTS	viii
LIST OF TABLES	x
LIST OF FIGURES	xi
LIST OF SYMBOLS	xii
LIST OF ABBREVIATIONS	xiii
CHAPTER 1 INTRODUCTION	1
1.1 Background of the Study	1
1.2 Motivation	2
1.3 Problem Statement	3
1.4 Objectives	4
1.5 Scopes of Study	4
CHAPTER 2 LITERATURE REVIEW	5
2.1 Enhanced Green Fluorescent Protein	5
2.1.1 Discovery of Enhanced Green Fluorescent Protein	5
2.1.2 Properties of Enhanced Green Fluorescent Protein	6
2.1.3 Characteristic of Enhanced Green Fluorescent Protein	7
2.1.4 Application of Enhanced Green Fluorescent Protein	8
2.2 Inclusion Bodies Protein	9
2.2.1 Characteristic of Inclusion Bodies	9
2.2.2 Formation of Inclusion Bodies	10
2.2.3 Formation of Inclusion Bodies in <i>E.coli</i>	13
2.2.4 Protein Recovery From Inclusion Body	14
2.2.5 Advantages and Disadvantages of Inclusion Bodies	17
2.3 Solubilisation of Inclusion Bodies Protein	17
2.3.1 Conventional Solubilisation	17
2.3.2 Mild Solubilisation	18
2.3.3 Method for Mild Solubilisation	19

2.4	Freeze and Thaw Method	21
2.4.1	Introduction	21
2.4.2	Application	22
2.5	Factors Affecting Freeze and Thaw Method	22
2.5.1	Buffer pH	22
2.5.2	Rate of Freezing and Thawing	22
2.5.3	Number of Cycle	23
CHAPTER 3 METHODOLOGY		24
3.1	Introduction	24
3.2	Materials	26
3.3	Experimental Methods	26
3.3.1	Cultivation of recombinant Enhanced Green Fluorescent Protein	26
3.3.2	Harvesting and cell washing	25
3.3.3	Freeze-thaw method	27
3.3.4	Detergent washing	27
3.3.5	Urea solubilisation with freeze and thaw process	27
3.4	Analytical Method	28
3.4.1	Preparation for n-PAGE	28
3.4.2	Preparation for Bradford assay	30
3.5	Calculation	30
CHAPTER 4 RESULTS AND DISCUSSION		31
4.1	Introduction	31
4.2	Effect of Incubation period	31
4.3	Effect of Number of Cycle Process	35
CHAPTER 5 CONCLUSION AND RECOMMENDATION		39
5.1	Conclusion	39
5.2	Recommendation	39
REFERENCES		41
Appendix		50

LIST OF TABLES

Table No.	Title	Page
Table 2.1:	Mechanism for IBs formation	10
Table 2.2:	List of lysis method	15
Table 2.3:	Common additives used in refolding buffer	16
Table 3.3:	Formulation for preparation of stacking gel and resolving gel	29

LIST OF FIGURES

Figure No.	Title	Page
Figure 2.1:	Aequoreo victoria jellyfish	1
Figure 2.2:	Fluorescent chromophore form by amino acid in the primary structure	6
Figure 2.3:	α -helix shape structure containing chromophore	6
Figure 2.4:	Fluorescence excitation	7
Figure 2.5:	Amyloid fiber structure	9
Figure 2.6:	Self assembly non- native monomer	11
Figure 2.7:	Diagram illustrating the mechanism formation of IB	11
Figure 2.8:	IBs formation in <i>E.coli</i> cell	13
Figure 2.9:	Summary of step to recover bioactive protein	16
Figure 2.10:	Refolding process in mild and harsh solubilisation	19
Figure 3.1:	Experiment flow chart	25
Figure 3.4.1:	Analysis process for n-PAGE	28
Figure 3.4.2:	Amount of sample and BSA added	30
Figure 4.1:	The recovered functional EGFP amount under different incubation period	32
Figure 4.2:	Purity of functional EGFP amount under different incubation period	34
Figure 4.3:	Comparison between total amount protein and total functional EGFP amount	33
Figure 4.4:	The recovered functional EGFP amount under different number cycle	36
Figure 4.5:	Purity of functional amount EGFP under different number of cycle	37

LIST OF SYMBOLS

%	percentage
°C	Degree Celcius
Avg	Average
COV	Coefficient of Variation
g	gram
hr	hour
min	minute
mL	Milli Litre
Std	Standard Deviation
(v/v)	volume/volume
µg	Micro gram
µL	Micro litre

LIST OF ABBREVIATIONS

APS	Ammonium persulphate
BSA	Bovine Serum Albumin
CBB	Coomassie Brilliant Blue
EDTA	Ethylenediaminetetraacetic acid
<i>E. coli</i>	<i>Escherichia coli</i>
EGFP	Enhanced Green Fluorescent Protein
HCl	Hydrochloric acid
IBs	Inclusion bodies
Inc.P	Incubation period
IPTG	Isopropyl β -D-1-thiogalactopyranoside
LB	Luria Bertani
N.of.cy	Number of cycle
n-PAGE	Native Polyacrylamide Gel Electrophoresis
OD	Optical Density
r-hGH	Human growth hormone
rpm	Rotation per minute
TEMED	Tetramethyl ethyldiamine